

# PERFECTION IN EVERY DETAIL

PRECISION COMBINED SYSTEMS  
MANUFACTURING POWERED BY MESUTRONIC



ERS



## Model & Structure

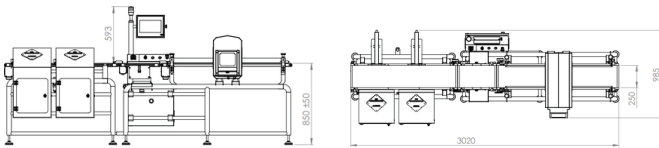
Model Series	ERS Combo Series (with Mesutronic Technology)
Body Structure	AISI 304 Stainless Steel
Protection Class	IP54 (Standard) / IP65 (Optional)
Conveyor System	Food-Grade PU Belts, Quick Belt Removal System

## Weighing Performance

Capacity Options	600 g – 60 kg range (Wide model range)
Accuracy	≥ 0.2 g (Depending on product and capacity)
Maximum Capacity	150 units per minute
CW Display	10.2" Wide Color Touchscreen (HMI)

## Metal Detector

Option A: Standard	Mesutronic Metron 05 CI - 07 CI
Technology	Digital Dual-Channel Processing & Automatic Balancing (Temperature Compensation)
Interface	Backlit LCD Display with Keypad
Connectivity	7" Color Display, USB / WiFi
Protection Class	RS232 (Service / Data Port)
Filtering	IP66 (Standard) / IP69 (Optional – High-Pressure Washdown)



## Connectivity & Data

Data Outputs	Ethernet, USB, Modbus TCP/IP
Reporting	Production and error reports in Excel format via USB

## Rejection Systems

Reject Mechanism	Air Blow (for lightweight products) / Pusher (standard) / Flipper Arm (for bagged products)
Reject Bin	Lockable stainless steel reject bin
Verification	Reject confirmation sensors and bin-full sensors

## Technical Specifications

The ERS Combo Series combines high-precision weighing with Mesutronic's German-engineered metal detection technology. Equipped with advanced imagePHASE™ technology, the system eliminates product effect in challenging applications such as conductive products, ensuring zero-error rejection. It delivers full compliance with HACCP and IFS standards within a single compact unit.

## Key Features

- **imagePHASE Technology:** Visualizes signal waves to eliminate product effect in challenging products.
- **Automatic Balancing:** Automatically compensates for signal drift caused by temperature fluctuations (Metron 05–07).
- **Flexible Interface:** Intuitive touchscreen or LCD interface options for easy setup and operation.
- **Food Safety Compliance:** Provides full traceability in accordance with BRC, IFS, and HACCP standards.
- **Seamless Integration:** Supports Modbus, RS232, and Ethernet TCP/IP for direct connectivity with ERP / MES systems.

## Regulations & Certifications

**Legal Metrology (MID & OIML):** Fully compliant with MID (2014/32/EU) and OIML R51 (Class XIII) standards, ensuring legal validity for commercial weighing applications.

**Global Food Safety Standards:** Designed to meet HACCP, BRC, IFS, and SQF audit requirements. Ideal for critical control points in food and hygiene industries.

**CE & ISO Quality Management:** Manufactured in accordance with European safety regulations (CE) and ISO 9001 quality management standards, ensuring long-term reliability and operational safety.

# ERS